

| L Number | Hits  | Search Text   | DB                 | Time stamp          |
|----------|-------|---|--------------------|---------------------|
| -        | 12479 | (SOI or (silicon adj on adj (insulator insulating)))  | USPAT;<br>US-PGPUB | 2004/03/12<br>16:49 |
| -        | 375   | (SOI or (silicon adj on adj (insulator insulating))) same (ONO or "o/n/o" or "oxide/nitride/oxide" (oxide adj nitride adj oxide) or ((silicon adj oxide) with (silicon adj nitride))) | USPAT;<br>US-PGPUB | 2004/06/21<br>13:53 |
| -        | 56    | (SOI or (silicon adj on adj (insulator insulating))) same (ONO or "o/n/o" or "oxide/nitride/oxide" (oxide adj nitride adj oxide))   | USPAT;<br>US-PGPUB | 2004/06/21<br>13:54 |
| -        | 46    | ((SOI or (silicon adj on adj (insulator insulating))) same (ONO or "o/n/o" or "oxide/nitride/oxide" (oxide adj nitride adj oxide))) not (@ad>20020116 or @rlad>20020116)              | USPAT;<br>US-PGPUB | 2004/06/21<br>13:54 |
| -        | 1     | 09/682957   | USPAT;<br>US-PGPUB | 2004/03/12<br>19:09 |
| -        | 1     | 10/330093   | USPAT;<br>US-PGPUB | 2004/03/12<br>19:25 |
| -        | 1     | ("6314021").PN.   | USPAT;<br>US-PGPUB | 2004/03/12<br>19:27 |
| -        | 1     | ((("6314021").PN.) and ((oxide with nitride with oxide) ONO)  | USPAT;<br>US-PGPUB | 2004/03/12<br>19:28 |
| -        | 0     | ("200201348503").PN.  | USPAT;<br>US-PGPUB | 2004/03/12<br>19:52 |
| -        | 0     | ("US200201348503").PN.  | USPAT;<br>US-PGPUB | 2004/03/12<br>19:52 |
| -        | 7     | ((("5021843") or ("6410938") or ("5849627") or ("6010921") or ("6255731") or ("6433401") or ("6610615")).PN.  | USPAT;<br>US-PGPUB | 2004/03/12<br>19:55 |
| -        | 4     | Hussinger.in.   | USPAT;<br>US-PGPUB | 2004/03/12<br>19:55 |
| -        | 11    | ((("5021843") or ("6410938") or ("5849627") or ("6010921") or ("6255731") or ("6433401") or ("6610615")).PN.) or Hussinger.in.  | USPAT;<br>US-PGPUB | 2004/03/12<br>19:55 |
| -        | 8     | ((("5021843") or ("6410938") or ("5849627") or ("6010921") or ("6255731") or ("6433401") or ("6610615")).PN.) or Hussinger.in.) and (ONO or (oxide with nitride with oxide))          | USPAT;<br>US-PGPUB | 2004/03/12<br>19:56 |
| -        | 2     | ((("6144060") or ("6489214")).PN.   | USPAT;<br>US-PGPUB | 2004/03/12<br>20:17 |
| -        | 10560 | Park.in.  | USPAT;<br>US-PGPUB | 2004/03/12<br>20:11 |
| -        | 4     | Park.in. and (@ad=20020221)   | USPAT;<br>US-PGPUB | 2004/03/12<br>20:11 |
| -        | 1     | ("4789648").PN.   | USPAT;<br>US-PGPUB | 2004/03/12<br>20:18 |
| -        | 1     | ("5768192").PN.   | USPAT;<br>US-PGPUB | 2004/03/15<br>16:04 |
| -        | 4     | ((("5768192") or ("6011725") or ("4173766") or ("6081456")).PN.   | USPAT;<br>US-PGPUB | 2004/03/15<br>16:04 |
| -        | 409   | (SOI or (silicon adj on adj (insulator insulating))) same (ONO or "o/n/o" or "oxide/nitride/oxide" (oxide adj nitride adj oxide) or ((silicon adj oxide) with (silicon adj nitride))) | USPAT;<br>US-PGPUB | 2004/06/21<br>17:12 |
| -        | 65    | (SOI or (silicon adj on adj (insulator insulating))) same (ONO or "o/n/o" or "oxide/nitride/oxide" (oxide adj nitride adj oxide))   | USPAT;<br>US-PGPUB | 2004/06/21<br>13:54 |
| -        | 3     | ((("6552496") or ("5882532") or ("6265327")).PN.  | USPAT;<br>US-PGPUB | 2004/06/21<br>14:16 |
| -        | 48    | ((SOI or (silicon adj on adj (insulator insulating))) same (ONO or "o/n/o" or "oxide/nitride/oxide" (oxide adj nitride adj oxide))) not (@ad>20020116 or @rlad>20020116)              | USPAT;<br>US-PGPUB | 2004/06/21<br>17:24 |

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| - | 344 | ((SOI or (silicon adj on adj (insulator insulating))) same (ONO or "o/n/o" or "oxide/nitride/oxide" (oxide adj nitride adj oxide) or ((silicon adj oxide) with (silicon adj nitride)))) not ((SOI or (silicon adj on adj (insulator insulating))) same (ONO or "o/n/o" or "oxide/nitride/oxide" (oxide adj nitride adj oxide)))  | USPAT;<br>US-PGPUB | 2004/06/21<br>14:27 |
| - | 234 | ((((SOI or (silicon adj on adj (insulator insulating))) same (ONO or "o/n/o" or "oxide/nitride/oxide" (oxide adj nitride adj oxide) or ((silicon adj oxide) with (silicon adj nitride)))) not ((SOI or (silicon adj on adj (insulator insulating))) same (ONO or "o/n/o" or "oxide/nitride/oxide" (oxide adj nitride adj oxide)))) not (@ad>20020116 or @rlad>20020116)  | USPAT;<br>US-PGPUB | 2004/06/22<br>14:53 |
| - | 421 | (SOI or (silicon adj on adj (insulator insulating))) same ((implant implanting implanted) with ((buried adj oxide) box))   | USPAT;<br>US-PGPUB | 2004/06/21<br>17:15 |
| - | 14  | (SOI or (silicon adj on adj (insulator insulating))) same ((implant implanting implanted) with ((buried adj oxide) box) with (nitrogen "nh.sub.3"))  | USPAT;<br>US-PGPUB | 2004/06/21<br>17:22 |
| - | 13  | ((SOI or (silicon adj on adj (insulator insulating))) same ((implant implanting implanted) with ((buried adj oxide) box) with (nitrogen "nh.sub.3")) not (@ad>20020116 or @rlad>20020116)  | USPAT;<br>US-PGPUB | 2004/06/21<br>17:23 |
| - | 16  | (SOI or (silicon adj on adj (insulator insulating))) same ((implant implanting implanted) with ((buried adj (insulator insulating insulation oxide)) box) with (nitrogen "nh.sub.3"))  | USPAT;<br>US-PGPUB | 2004/06/21<br>17:23 |
| - | 15  | ((SOI or (silicon adj on adj (insulator insulating))) same ((implant implanting implanted) with ((buried adj (insulator insulating insulation oxide)) box) with (nitrogen "nh.sub.3"))) not (@ad>20020116 or @rlad>20020116)   | USPAT;<br>US-PGPUB | 2004/06/21<br>17:23 |
| - | 2   | ((((SOI or (silicon adj on adj (insulator insulating))) same ((implant implanting implanted) with ((buried adj (insulator insulating insulation oxide)) box) with (nitrogen "nh.sub.3"))) not (@ad>20020116 or @rlad>20020116)) not (((SOI or (silicon adj on adj (insulator insulating))) same ((implant implanting implanted) with ((buried adj oxide) box) with (nitrogen "nh.sub.3")))) not (@ad>20020116 or @rlad>20020116) | USPAT;<br>US-PGPUB | 2004/06/21<br>17:23 |
| - | 7   | ((SOI or (silicon adj on adj (insulator insulating))) and (buried adj (insulation insulating insulator)) same (ONO or "o/n/o" or "oxide/nitride/oxide" (oxide adj nitride adj oxide))) not (@ad>20020116 or @rlad>20020116)  | USPAT;<br>US-PGPUB | 2004/06/21<br>17:25 |
| - | 1   | ("6661065").PN.  | USPAT;<br>US-PGPUB | 2004/06/22<br>14:54 |
| - | 1   | ((("6661065").PN.) and (thick\$)   | USPAT;<br>US-PGPUB | 2004/06/22<br>15:17 |
| - | 1   | ("6410938").PN.  | USPAT;<br>US-PGPUB | 2004/06/22<br>15:17 |
| - | 1   | ((("6410938").PN.) and thick\$   | USPAT;<br>US-PGPUB | 2004/06/22<br>15:17 |
| - | 2   | ((("6661065") or ("6410938")).PN.  | USPAT;<br>US-PGPUB | 2004/09/15<br>18:16 |
| - | 222 | (box or (buried adj oxide)) with extend with (source drain s/d source/drain)   | USPAT;<br>US-PGPUB | 2004/09/15<br>18:54 |

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| - | 13    | (box or (buried adj oxide)) with extend\$ with (source drain s/d source/drain) with (advantag\$ benefit\$)   | USPAT;<br>US-PGPUB               | 2004/09/15<br>18:08 |
| - | 1316  | (box or (buried adj oxide)) with extend\$ with (source drain s/d source/drain)   | USPAT;<br>US-PGPUB               | 2004/09/15<br>18:07 |
| - | 114   | ((box or (buried adj oxide)) with extend\$ with (source drain s/d source/drain) ) and (438/\$.ccls. or 257/\$.ccls.)   | USPAT;<br>US-PGPUB               | 2004/09/15<br>16:56 |
| - | 78    | ((box or (buried adj oxide)) with extend\$ with (source drain s/d source/drain) ) and (438/\$.ccls. or 257/\$.ccls.)) not (@ad>20020116 or @rlad>20020116)     | USPAT;<br>US-PGPUB               | 2004/09/15<br>18:09 |
| - | 13    | (box or (buried adj (insulator oxide))) with extend\$ with (source drain s/d source/drain) with (advantag\$ benefit\$)   | USPAT;<br>US-PGPUB               | 2004/09/15<br>18:09 |
| - | 21    | (box or (buried adj (insulator oxide))) with extend\$ with (source drain s/d source/drain) with (parasit\$ leak\$)   | USPAT;<br>US-PGPUB               | 2004/09/15<br>18:09 |
| - | 20    | ((box or (buried adj (insulator oxide))) with extend\$ with (source drain s/d source/drain) with (parasit\$ leak\$)) not (@ad>20020116 or @rlad>20020116)      | USPAT;<br>US-PGPUB               | 2004/09/15<br>18:54 |
| - | 2     | ((("6661065") or ("6410938")).PN.) and thickness\$   | USPAT;<br>US-PGPUB               | 2004/09/15<br>18:17 |
| - | 17    | (box or (buried adj (insulator oxide))) with (ono)   | USPAT;<br>US-PGPUB               | 2004/09/15<br>18:54 |
| - | 12    | ((box or (buried adj (insulator oxide))) with (ono)) not (@ad>20020116 or @rlad>20020116)  | USPAT;<br>US-PGPUB               | 2004/09/15<br>18:55 |
| - | 2     | ((("6385079") or ("6391658")).PN.  | USPAT;<br>US-PGPUB               | 2004/09/16<br>13:29 |
| - | 67636 | MTJ magneto\$ (magnetic adj stack)   | USPAT;<br>US-PGPUB               | 2004/09/16<br>13:40 |
| - | 9034  | MTJ magnetoresistive (magnetic adj stack)  | USPAT;<br>US-PGPUB               | 2004/09/16<br>13:41 |
| - | 9360  | MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)  | USPAT;<br>US-PGPUB               | 2004/09/16<br>14:09 |
| - | 15    | (MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and (implant\$ with amorphous)   | USPAT;<br>US-PGPUB               | 2004/09/16<br>14:10 |
| - | 14    | ((MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and (implant\$ with amorphous)) not (@ad>20031215 or @rlad>20031215)                        | USPAT;<br>US-PGPUB               | 2004/09/16<br>14:23 |
| - | 7326  | MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)  | EPO; JPO;<br>DERWENT;<br>IBM TDB | 2004/09/16<br>14:10 |
| - | 9376  | MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)  | USPAT;<br>US-PGPUB               | 2004/09/16<br>14:22 |
| - | 15    | (MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and (implant\$ with amorphous)   | USPAT;<br>US-PGPUB               | 2004/09/16<br>14:23 |
| - | 7341  | MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)  | EPO; JPO;<br>DERWENT;<br>IBM TDB | 2004/09/16<br>14:10 |
| - | 1     | (MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and (implant\$ with amorphous)   | EPO; JPO;<br>DERWENT;<br>IBM TDB | 2004/09/16<br>14:12 |
| - | 872   | (MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and ((implant\$ or amorphous) with (magnetic pinned))  | USPAT;<br>US-PGPUB               | 2004/09/16<br>14:23 |
| - | 858   | ((MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and ((implant\$ or amorphous) with (magnetic pinned))) not (@ad>20031215 or @rlad>20031215) | USPAT;<br>US-PGPUB               | 2004/09/16<br>14:24 |

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| - | 92   | ((MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and ((implant\$ or amorphous) with (magnetic pinned))) not (@ad>20031215 or @rlad>20031215)) and (MRAM)   | USPAT;<br>US-PGPUB | 2004/09/16<br>14:24 |
| - | 95   | ((MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and ((implant\$ or amorphous) with (magnetic pinned))) not (@ad>20031215 or @rlad>20031215)) and (MRAM)   | USPAT;<br>US-PGPUB | 2004/09/16<br>14:33 |
| - | 34   | ((MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and ((implant\$ or amorphous) with (magnetic pinned))) not (@ad>20031215 or @rlad>20031215)) and (MRAM)) and (smooth uniform)   | USPAT;<br>US-PGPUB | 2004/09/16<br>16:03 |
| - | 4    | ("5936293"   "6052263"   "6359805"   "6542402"   "2004/0027853").PN.   | USPAT              | 2004/09/16<br>15:23 |
| - | 0    | ((("5936293"   "6052263"   "6359805"   "6542402"   "2004/0027853").PN.) and amorphous  | USPAT;<br>US-PGPUB | 2004/09/16<br>15:25 |
| - | 0    | ((("5936293"   "6052263"   "6359805"   "6542402"   "2004/0027853").PN.) and implant\$  | USPAT;<br>US-PGPUB | 2004/09/16<br>15:34 |
| - | 4198 | ((438/3) or (438/238-241) or (438/381)).CCLS.  | USPAT;<br>US-PGPUB | 2004/09/16<br>15:41 |
| - | 1    | ("6787372").PN.  | USPAT;<br>US-PGPUB | 2004/09/16<br>15:41 |
| - | 1    | ((("6787372").PN.) and amorphous   | USPAT;<br>US-PGPUB | 2004/09/16<br>15:41 |
| - | 26   | ((MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and ((implant\$ or amorphous) with (magnetic pinned))) not (@ad>20031215 or @rlad>20031215)) and (MRAM)) and (rough\$)  | USPAT;<br>US-PGPUB | 2004/09/16<br>15:46 |
| - | 15   | ((MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and ((implant\$ or amorphous) with (magnetic pinned))) not (@ad>20031215 or @rlad>20031215)) and (MRAM)) and (rough\$)) not (((MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and ((implant\$ or amorphous) with (magnetic pinned))) not (@ad>20031215 or @rlad>20031215)) and (MRAM)) and (smooth uniform))  | USPAT;<br>US-PGPUB | 2004/09/16<br>15:55 |
| - | 1    | ("6205052").PN.  | USPAT;<br>US-PGPUB | 2004/09/16<br>16:03 |
| - | 0    | ((("6205052").PN.) and (implant\$ ion\$ dop\$ atom\$)  | USPAT;<br>US-PGPUB | 2004/09/16<br>16:36 |
| - | 46   | ((MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and ((implant\$ or amorphous) with (magnetic pinned))) not (@ad>20031215 or @rlad>20031215)) and (MRAM)) not (((MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and ((implant\$ or amorphous) with (magnetic pinned))) not (@ad>20031215 or @rlad>20031215)) and (MRAM)) and (smooth uniform)) (((MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and ((implant\$ or amorphous) with (magnetic pinned))) not (@ad>20031215 or @rlad>20031215)) and (MRAM)) and (rough\$)) not (((MTJ magnetoresistive (magnetic adj stack) (magnetic adj tunnel)) and ((implant\$ or amorphous) with (magnetic pinned))) not (@ad>20031215 or @rlad>20031215)) and (MRAM)) and (smooth uniform))) | USPAT;<br>US-PGPUB | 2004/09/16<br>16:59 |

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|---|---|--------------------------------|--------------------|---------------------|
| - | 1 | ("6205052").PN.                | USPAT;<br>US-PGPUB | 2004/09/16<br>16:59 |
| - | 1 | ("6205052").PN.) and amorphous | USPAT;<br>US-PGPUB | 2004/09/16<br>16:59 |